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<211> 1599
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

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<212> DNA
<213> T7 virus

<400> 44
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<210> 45
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<400> 45
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<212> PRT
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<400> 47

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Pro Ala Thr Leu Val Val Ser Ser Pro Gly His Ala Glu His Pro Pro
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Ala Ala Pro Ala Gln Thr Pro Gly Pro Gln Val Ser Ala Ser Ala Arg
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Gly Pro Gly Pro Val Ala Gly Gly Ser Gly Arg Met Glu Arg Arg Met
 65                  70                  75                  80

Lys Gly Gly Tyr Leu Asp Gln Arg Val Pro Tyr Thr Phe Cys Ser Lys
                 85                  90                  95

Ser Pro Gly Asn Gly Ser Leu Gly Glu Ala Leu Met Val Pro Gln Gly
            100                 105                 110

Lys Leu Met Asp Pro Gly Ser Leu Pro Pro Ser Asp Ser Glu Asp Leu
        115                 120                 125

Phe Gln Asp Leu Ser His Phe Gln Glu Thr Trp Leu Ala Glu Ala Gln
    130                 135                 140

Val Pro Asp Ser Asp Glu Gln Phe Val Pro Asp Phe His Ser Glu Asn
145                 150                 155                 160

Leu Ala Phe His Ser Pro Thr Thr Arg Ile Lys Lys Glu Pro Gln Ser
                165                 170                 175

Pro Arg Thr Asp Pro Ala Leu Ser Cys Ser Arg Lys Pro Pro Leu Pro
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Tyr His His Gly Glu Gln Cys Leu Tyr Ser Arg Gln Ile Ala Ile Lys
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Ser Pro Ala Pro Gly Ala Pro Gly Gln Ser Pro Leu Gln Pro Phe Ser
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Ser His Pro Gly His Gly Tyr Leu Gly Glu His Ser Ser Val Phe Gln
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Gln Pro Val Asp Met Cys His Ser Phe Thr Ser Pro Gln Gly Gly Gly
            260                 265                 270

Arg Glu Pro Leu Pro Ala Pro Tyr Gln His Gln Leu Ser Glu Pro Cys
        275                 280                 285

Pro Pro Tyr Pro Gln Gln Asn Phe Lys Gln Glu Tyr His Asp Pro Leu
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Tyr Glu Gln Ala Gly Gln Pro Ala Ser Ser Gln Gly Gly Val Ser Gly
305                 310                 315                 320

His Arg Tyr Pro Gly Ala Gly Val Val Ile Lys Gln Glu Arg Thr Asp
                325                 330                 335

Phe Ala Tyr Asp Ser Asp Val Pro Gly Cys Ala Ser Met Tyr Leu His
            340                 345                 350

Pro Glu Gly Phe Ser Gly Pro Ser Pro Gly Asp Gly Val Met Gly Tyr
        355                 360                 365

Gly Tyr Glu Lys Ser Leu Arg Pro Phe Pro Asp Asp Val Cys Ile Val
    370                 375                 380

Pro Lys Lys Phe Glu Gly Asp Ile Lys Gln Glu Gly Ile Gly Ala Phe
385                 390                 395                 400

Arg Glu Gly Pro Pro Tyr Gln Arg Arg Gly Ala Leu Gln Leu Trp Gln
                405                 410                 415

Phe Leu Val Ala Leu Leu Asp Asp Pro Thr Asn Ala His Phe Ile Ala
            420                 425                 430

Trp Thr Gly Arg Gly Met Glu Phe Lys Leu Ile Glu Pro Glu Glu Val
        435                 440                 445
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Ala Arg Leu Trp Gly Ile Gln Lys Asn Arg Pro Ala Met Asn Tyr Asp
450 455 460

Lys Leu Ser Arg Ser Leu Arg Tyr Tyr Tyr Glu Lys Gly Ile Met Gln
465 470 475 480

Lys Val Ala Gly Glu Arg Tyr Val Tyr Lys Phe Val Cys Glu Pro Glu
485 490 495

Ala Leu Phe Ser Leu Ala Phe Pro Asp Asn Gln Arg Pro Ala Leu Lys
500 505 510

Ala Glu Phe Asp Arg Pro Val Ser Glu Glu Asp Thr Val Pro Leu Ser
515 520 525

His Leu Asp Glu Ser Pro Ala Tyr Leu Pro Glu Leu Thr Gly Pro Ala
530 535 540

Pro Pro Phe Gly His Arg Gly Gly Tyr Ser Tyr
545 550 555

<210> 48
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 48
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<210> 49
<211> 1843
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 32
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<223> Description of Artificial Sequence: Synthetic

<400> 51
ttattttata tatataatat atatataaaa ta 32

<210> 52
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 52
tataatata 9

<210> 53
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 53
caatataaat atatag 16

<210> 54
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 54
tgtgtgtgta tgcgtgtgtg tagacacaca cgcatacaca cata 44

<210> 55
<211> 41
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic

<400> 55
ttattttata tatataatat atatataaaa tatataatat a 41

<210> 56
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 56
tataatatac aatataaata tatag 25

<210> 57
<211> 60
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic

<400> 57
caatataaat atatagtgtg tgtgtatgcg tgtgtgtaga cacacacgca tacacacata 60

<210> 58
<211> 101
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 58
ttattttata tatataatat atatataaaa tatataatat acaatataaa tatatagtgt 60
gtgtgtatgc gtgtgtgtag acacacacgc atacacacat a 101

<210> 59
<211> 723
<212> DNA
<213> Homo sapiens

<400> 59
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ttttctgtat ttttacaaca tttcagaatt aaaagcaaca gctagaaaaa gagggaaatg 120
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taa 723

<210> 60
<211> 447
<212> DNA
<213> Homo sapiens

<400> 60
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tgtatcccca tgaagcaaat tttgcca 447

<210> 61
<211> 103
<212> DNA
<213> Homo sapiens

<400> 61
aggtggatca aggcacttgc ttacaactgg aactgaaatc ctccaagtcg atctagacat 60
tgagatggag aaaatattca ttgtcgactg taattatgca acg 103

<210> 62
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 62
gtggaag 7

<210> 63
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 63
gtggatg 7

<210> 64
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 64
ctggaag 7

<210> 65
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 65
ctggatg 7

<210> 66
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 66
acccattcag tcgaggaagg atagggtggt at 32

<210> 67
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 67
agccattgag tcgaggaagg atagggtggt at 32

<210> 68
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 68
agccattcag acgaggaagg atagggtggt at 32

<210> 69
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 69
agccattcag tcgaggaagg atagggtggt tt 32

<210> 70
<211> 32
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<223> Description of Artificial Sequence: Synthetic

<400> 70
agccattcag tcgaggatcc caagggtggt at 32

<210> 71
<211> 32
<212> DNA
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<223> Description of Artificial Sequence: Synthetic

<400> 71
agccattcag tcgaggaagg atagggccta at 32

<210> 72
<211> 33
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic

<400> 72
agaccattca gtcgaggaag gatagggtgg tat 33

<210> 73
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 73
agccattcag tcgaggaagg atagcggtgg tat 33

<210> 74
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 74
agccattcag tcgaggaagg ataat 25

<210> 75
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 75
agccattcga ggaaggatag ggtggtat 28

<210> 76
<211> 1273
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 76
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tatcttgaat ctt 1273

<210> 77
<211> 1273
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 77
ggcctctcac taactaatca ctttcccatc ttttgttaga tttgaatata tacattctat 60
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ttttaccctc catggtcgtt aaaggagaga tggggagcat cattctgtta tacttctgta 600
cacagttata catgtctatc aaacccagac ttgcttccat agtggagact tgcttttcag 660
aacataggga tgaagtaagg tgcctgaaaa gtttggggga aaagtttctt tcagagagtt 720
aagttatttt atatatataa tatatatata aaatatataa tatacaatat aaatatatag 780
tgtgtgtgtg tatgcgtgtg tgtagacaca cacgcataca cacatataat ggaagcaata 840
agccattcta agagcttgta tggttatgga ggtctgacta ggcatgattt cacgaaggca 900
agattggcat atcattgtaa ctaaaaaagc tgacattgac ccagacatat tgtactcttt 960
ctaaaaataa taataataat gctaacagaa agaagagaac cgttcgtttg caatctacag 1020
ctagtagaga ctttgaggaa gaattcaaca gtgtgtcttc agcagtgttc agagccaagc 1080
aagaagttga agttgcctag accagaggac ataagtatca tgtctccttt aactagcata 1140
ccccgaagtg gagaagggtg cagcaggctc aaaggcataa gtcattccaa tcagccaact 1200
aagttgtcct tttctggttt cgtgttcacc atggaacatt ttgattatag ttaatccttc 1260
tatcttgaat ctt 1273

<210> 78
<211> 1273
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 78
ggcctctcac taactaatca ctttcccatc ttttgttaga tttgaatata tacattctat 60
gatcattgct ttttctcttt acaggggaga atttcatatt ttacctgagc aaattgatta 120
gaaaatggaa ccactagagg aatataatgt gttaggaaat tacagtcatt tctaagggcc 180
cagcccttga caaaattgtg aagttaaatt ctccactctg tccatcagat actatggttc 240
tccactatgg caactaactc actcaatttt ccctccttag cagcattcca tcttcccgat 300
cttctttgct tctccaacca aaacatcaat gtttattagt tctgtataca gtacaggatc 360
tttggtctac tctatcacaa ggccagtacc acactcatga agaaagaaca caggagtagc 420
tgagaggcta aaactcatca aaaacactac tccttttcct ctaccctatt cctcaatctt 480
ttacctttc caaatcccaa tccccaaatc agtttttctc tttcttactc cctctctccc 540
ttttaccctc catggtcgtt aaaggagaga tggggacgat cattctgtta tacttctgta 600
cacagttata catgtctatc aaacccagac ttgcttccat agtggagact tgcttttcag 660
aacataggga tgaagtaagg tgcctgaaaa gtttgggggа aaagtttctt tcagagagtt 720
aagttatttt atatatataa tatatatata aaatatataa tatacaatat aaatatatag 780
tgtgtgtgtg tatgcgtgtg tgtagacaca cacgcataca cacatataat ggaagcaata 840
agccattcta agagcttgta tggttatgga ggtctgacta ggcatgattt cacgaaggca 900
agattggcat atcattgtaa ctaaaaaagc tgacattgac ccagacatat tgtactcttt 960
ctaaaaataa taataataat gctaacagaa agaagagaac cgttcgtttg caatctacag 1020
ctagtagaga ctttgaggaa gaattcaaca gtgtgtcttc agcagtgttc agagccaagc 1080
aagaagttga agttgcctag accagaggac ataagtatca tgtctccttt aactagcata 1140
ccccgaagtg gagaagggtg cagcaggctc aaaggcataa gtcattccaa tcagccaact 1200
aagttgtcct tttctggttt cgtgttcacc atggaacatt ttgattatag ttaatccttc 1260
tatcttgaat ctt 1273

<210> 79
<211> 1273
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 79
ggcctctcac taactaatca ctttcccatc ttttgttaga tttgaatata tacattctat 60
gatcattgct ttttctcttt acaggggaga atttcatatt ttacctgagc aaattgatta 120
gaaaatggaa ccactagagg aatataatgt gttaggaaat tacagtcatt tctaagggcc 180
cagcccttga caaaattgtg aagttaaatt ctccactctg tccatcagat actatggttc 240

tccactatgg caactaactc actcaatttt ccctccttag cagcattcca tcttcccgat 300
cttctttgct tctccaacca aaacatcaat gtttattagt tctgtataca gtacaggatc 360
tttggtctac tctatcacaa ggccagtacc acactcatga agaaagaaca caggagtagc 420
tgagaggcta aaactcatca aaaacactac tccttttcct ctaccctatt cctcaatctt 480
ttacctttc caaatcccaa tccccaaatc agtttttctc tttcttactc cctctctccc 540
ttttaccctc catggtcgtt aaaggagaga tggggagcat cattctgtta tacttctgta 600
cacagttata catgtctatc aaacccagac ttgcttccat agtggagact tgcttttcag 660
aacataggga tgaagtaagg tgcctgaaaa gtttgggggа aaagtttctt tcagagagtt 720
aagttatttt atatatataa tatatatata aaatatataa tatacaatat aaatatatag 780
tgtgtgtgtg tatgcgtgtg tgtagacaca cacgcataca cacatataat ggaagcaata 840
agccattcta agagcttgta tggttatgga ggtctgacta ggcatgattt cacgaaggca 900
agattggcat atcattgtaa ctaaaaaagc tgacattgac ccagacatat tgtactcttt 960
ctaaaaataa taataataat gctaacagaa agaagagaac cgttcgtttg caatctacag 1020
ctagtagaga ctttgaggaa gaattcaaca gtgtgtcttc agcagtgttc agagccaagc 1080
aagaagttga agttgcctag accagaggac ataagtatgt actctccttt aactagcata 1140
ccccgaagtg gagaagggtg cagcaggctc aaaggcataa gtcattccaa tcagccaact 1200
aagttgtcct tttctggttt cgtgttcacc atggaacatt ttgattatag ttaatccttc 1260
tatcttgaat ctt 1273

<210> 80
<211> 1275
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 80
ggcctctcac taactaatca ctttcccatc ttttgttaga tttgaatata tacattctat 60
gatcattgct ttttctcttt acaggggaga atttcatatt ttacctgagc aaattgatta 120
gaaaatggaa ccactagagg aatataatgt gttaggaaat tacagtcatt tctaagggcc 180
cagcccttga caaaattgtg aagttaaatt ctccactctg tccatcagat actatggttc 240
tccactatgg caactaactc actcaatttt ccctccttag cagcattcca tcttcccgat 300
ttcttctttg cttctccaac caaaacatca atgtttatta gttctgtata cagtacagga 360
tctttggtct actctatcac aaggccagta ccacactcat gaagaaagaa cacaggagta 420
gctgagaggc taaaactcat caaaaacact actccttttc ctctacccta ttcctcaatc 480
ttttaccttt tccaaatccc aatccccaaa tcagtttttc tctttcttac tccctctctc 540
ccttttaccc tccatggtcg ttaaaggaga gatggggagc atcattctgt tatacttctg 600
tacacagtta tacatgtcta tcaaacccag acttgcttcc atagtggaga cttgcttttc 660
agaacatagg gatgaagtaa ggtgcctgaa aagtttgggg gaaaagtttc tttcagagag 720
ttaagttatt ttatatatat aatatatata taaaatatat aatatacaat ataaatatat 780
agtgtgtgtg tgtatgcgtg tgtgtagaca cacacgcata cacacatata atggaagcaa 840
taagccattc taagagcttg tatggttatg gaggtctgac taggcatgat ttcacgaagg 900
caagattggc atatcattgt aactaaaaaa gctgacattg acccagacat attgtactct 960
ttctaaaaat aataataata atgctaacag aaagaagaga accgttcgtt tgcaatctac 1020

agctagtaga gactttgagg aagaattcaa cagtgtgtct tcagcagtgt tcagagccaa 1080
gcaagaagtt gaagttgcct agaccagagg acataagtat catgtctcct ttaactagca 1140
taccccgaag tggagaaggg tgcagcaggc tcaaaggcat aagtcattcc aatcagccaa 1200
ctaagttgtc cttttctggt ttcgtgttca ccatggaaca ttttgattat agttaatcct 1260
tctatcttga atctt 1275

<210> 81
<211> 1276
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 81
ggcctctcac taactaatca ctttcccatc ttttgttaga tttgaatata tacattctat 60
gatcattgct ttttctcttt acaggggaga atttcatatt ttacctgagc aaattgatta 120
gaaaatggaa ccactagagg aatataatgt gttaggaaat tacagtcatt tctaagggcc 180
cagcccttga caaaattgtg aagttaaatt ctccactctg tccatcagat actatggttc 240
tccactatgg caactaactc actcaatttt ccctccttag cagcattcca tcttcccgat 300
cttctttgct tctccaacca aaacatcaat gtttattagt tctgtataca gtacaggatc 360
tttggtctac tctatcacaa ggccagtacc acactcatga agaaagaaca caggagtagc 420
tgagaggcta aaactcatca aaaacactac tccttttcct ctaccctatt cctcaatctt 480
ttacctttc caaatcccaa tccccaaatc agtttttctc tttcttactc cctctctccc 540
ttttaccctc catggtcgtt aaaggagaga tggggagcat cattctgtta tacttctgta 600
cacagttata catgtctatc aaacccagac ttgcttccat agtggagact tgcttttcag 660
aacataggga tgaagtaagg tgcctgaaaa gtttgggggа aaagtttctt tcagagagtt 720
aagttatttt atatatataa tatatatata aaatatataa tatacaatat aaatatatag 780
tgtgtgtgtg tatgcgtgtg tgtagacaca cacgcataca cacatataat ggaagcaata 840
agccattcta agagcttgta tggttatgga ggtctgacta ggcatgattt cacgaaggca 900
agattggcat atcattgtaa ctaaaaaagc tgacattgac ccagacatat tgtactcttt 960
ctaaaaataa taataataat gctaacagaa agaagagaac cgttcgtttg caatctacag 1020
ctagtagaga ctttgaggaa gaattcaaca gtgtgtcttc agcagtgttc agagccaagc 1080
aagaagttga agttgcctag accagaggac ataagtatca tgtctccttt aactagcata 1140
ccccgaagtg gagaagggtg cagcaggctc aaaggcataa gtcattccaa tcagccaact 1200
gctaagttgt ccttttctgg tttcgtgttc accatggaac attttgatta tagttaatcc 1260
ttctatcttg aatctt 1276

<210> 82
<211> 1272
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 82
ggcctctcac taactaatca ctttcccatc ttttgttaga tttgaatata tacattctat 60
gatcattgct ttttctcttt acaggggaga atttcatatt ttacctgagc aaattgatta 120
gaaaatggaa ccactagagg aatataatgt gttaggaaat tacagtcatt tctaagggcc 180
cagcccttga caaaattgtg aagttaaatt ctccactctg tccatcagat actatggttc 240
tccactatgg caactaactc actcaatttt ccctccttag cagcattcca tcttcccgat 300
cttctttgct tctccaacca aaacatcaat gtttattagt tctgtataca gtacaggatc 360
tttggtctac tctatcacaa ggccagtacc acactcatga agaaagaaca caggagtagc 420
tgagaggcta aaactcatca aaaacactac tccttttcct ctaccctatt cctcaatctt 480
ttacctttc caaatcccaa tccccaaatc agtttttctc tttcttactc cctctctccc 540
ttttaccctc catggtcgtt aaaggagaga tggggagcat cattctgtta tacttctgta 600
cacagttata catgtctatc aaacccagac ttgcttccat agtggagact tgcttttcag 660
aacataggga tgaagtaagg tgcctgaaaa gtttggggga aaagtttctt tcagagagtt 720
aagttatttt atatatataa tatatatata aaatatataa tatacaatat aaatatatag 780
tgtgtgtgtg tatgcgtgtg tgtagacaca cacgcataca cacatataat ggaagcaata 840
agccattcta agagcttgta tggttatgga ggtctgacta ggcatgattt cacgaaggca 900
agattggcat atcattgtaa ctaaaaaagc tgacattgac ccagacatat tgtactcttt 960
ctaaaaataa taataataat gctaacagaa agaagagaac cgttcgtttg caatctacag 1020
ctagtagaga ctttgaggaa gaattcaaca gtgtgtcttc agcagtgttc agagccaagc 1080
aagaagttga agttgcctag accagaggac ataagtatca tgtctccttt aactagcata 1140
ccccgaagtg gagaagggtg cagcaggctc aaaggcataa gtcattccaa tcagccaact 1200
aagttgtcct tttctggttt cgtgttcacc atggaacatt ttgattatag ttatccttct 1260
atcttgaatc tt 1272

<210> 83
<211> 1272
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 83
gcctctcact aactaatcac tttcccatct tttgttagat ttgaatatat acattctatg 60
atcattgctt tttctcttta caggggagaa tttcatattt tacctgagca aattgattag 120
aaaatggaac cactagagga atataatgtg ttaggaaatt acagtcattt ctaagggccc 180
agcccttgac aaaattgtga agttaaattc tccactctgt ccatcagata ctatggttct 240
ccactatggc aactaactca ctcaattttc cctccttagc agcattccat cttcccgatc 300
ttctttgctt ctccaaccaa aacatcaatg tttattagtt ctgtatacag tacaggatct 360
ttggtctact ctatcacaag gccagtacca cactcatgaa gaaagaacac aggagtagct 420
gagaggctaa aactcatcaa aaacactact ccttttcctc taccctattc ctcaatcttt 480
tacctttcc aaatcccaat ccccaaatca gtttttctct ttcttactcc ctctctccct 540

tttaccctcc atggtcgtta aaggagagat ggggagcatc attctgttat acttctgtac 600
acagttatac atgtctatca aacccagact tgcttccata gtggagactt gcttttcaga 660
acatagggat gaagtaaggt gcctgaaaag tttgggggaa aagtttcttt cagagagtta 720
agttatttta tatatataat atatatataa aatatataat atacaatata aatatatagt 780
gtgtgtgtgt atgcgtgtgt gtagacacac acgcatacac acatataatg gaagcaataa 840
gccattctaa gagcttgtat ggttatggag gtctgactag gcatgatttc acgaaggcaa 900
gattggcata tcattgtaac taaaaaagct gacattgacc cagacatatt gtactctttc 960
taaaaataat aataataatg ctaacagaaa gaagagaacc gttcgtttgc aatctacagc 1020
tagtagagac tttgaggaag aattcaacag tgtgtcttca gcagtgttca gagccaagca 1080
agaagttgaa gttgcctaga ccagaggaca taagtatcat gtctccttta actagcatac 1140
cccgaagtgg agaagggtgc agcaggctca aaggcataag tcattccaat cagccaacta 1200
agttgtcctt ttctggtttc gtgttcacca tggaacattt tgattatagt taatccttct 1260
atcttgaatc tt 1272

<210> 84
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 84
gcggaag 7

<210> 85
<211> 1463
<212> DNA
<213> Homo sapiens

<400> 85
gaattctgta agcatttcct atgtgtacct gcccctgggc aaggtgggcc tgacttgtta 60
gagtgttaga gttttaccct gttcctctag gagggcctgg taccaccaca gcccagcatg 120
gtgtggtgcc tcagcaggag gcatctggtt acaatcaaca caagctgttc cagccaattt 180
aaagaaactt caggaggaat agggttttag gagggcatgg ggaccctcct gcacccgaag 240
ccaggatgtg ccaccaatca taaggaggca ggggcctcct tccgctgctc cctgggactc 300
tctaggtgtc cgtggcctca gccccctct gcacacctgc atcttccttc tcatcagctt 360
cctctgcttt aagcgtaaac atggatgccc aggacctggc ctcaatcttc cgagtctggt 420
acttatggtg tactgacagt gtgagaccct actcctctga tcaatccct gggttggtga 480
cttccctgtg caatcaatgg aagccagcga ggcagggtca catgccccgt ttagaggtgc 540
agacttggag aaggaacgtg ggcaagtctt cccaggaaca ggtagggcag ggaggaaagg 600
ggggcatctc tggtgcagcc cggttcggag caggaagacg cttaataaat gctgatagac 660
tgcaggacac aggcaaaggt gctgagctgg acccttttatt tctgcccttc tcccttctgg 720
caccccggcc aggaaattgc tgcagccttt ctggaatccc gttcattttt cttactggtc 780
cacaaaaggg gccaaatgga agcagcaaga cctgagttca aattaaatct gccaactacc 840

agctcagtga atctgggcga gtaacacaaa acttgagtgt ccttacctga aaaatagagg 900
ttagagggat gctatgtgcc attgtgtgtg tgtgttgggg gtggggattg ggggtgattt 960
gtgagcaatt ggaggtgagg gtggagccca gtgcccagca cctatgcact ggggacccaa 1020
aaaggagcat cttctcatga ttttatgtat cagaaattgg gatggcatgt cattgggaca 1080
gcgtcttttt tcttgtatgg tggcacataa atacatgtgt cttataatta atggtatttt 1140
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ctgggcaaaa atgtccccat ctgaaaaaca gggacaacgt tcctccctca gccagccact 1260
atggggctaa aatgagacca catctgtcaa gggttttgcc ctcacctccc tccctgctgg 1320
atggcatcct tggtaggcag aggtgggctt cgggcagaac aagccgtgct gagctaggac 1380
caggagtgct agtgccactg tttgtctatg gagagggagg cctcagtgct gagggccaag 1440
caaatatttg tggttatgga tta 1463

<210> 86
<211> 83
<212> DNA
<213> Homo sapiens

<400> 86
caggagtgct agtgccactg tttgtctatg gagagggagg cctcagtgct gagggccaag 60
caaatatttg tggttatgga tta 83

<210> 87
<211> 614
<212> DNA
<213> Homo sapiens

<400> 87
gaattctgta agcatttcct atgtgtacct gcccctgggc aaggtgggcc tgacttgtta 60
gagtgttaga gttttaccct gttcctctag gagggcctgg taccaccaca gcccagcatg 120
gtgtggtgcc tcagcaggag gcatctggtt acaatcaaca caagctgttc cagccaattt 180
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ccaggatgtg ccaccaatca taaggaggca ggggcctcct tccgctgctc cctgggactc 300
tctaggtgtc cgtggcctca gccccctct gcacacctgc atcttccttc tcatcagctt 360
cctctgcttt aagcgtaaac atggatgccc aggacctggc ctcaatcttc cgagtctggt 420
acttatggtg tactgacagt gtgagaccct actcctctga tcaatcccct gggttggtga 480
cttccctgtg caatcaatgg aagccagcga ggcagggtca catgccccgt ttagaggtgc 540
agacttggag aaggaacgtg ggcaagtctt cccaggaaca ggtagggcag ggaggaaagg 600
ggggcatctc tggt 614

<210> 88
<211> 661
<212> DNA
<213> Homo sapiens

<400> 88
gaattctgta agcatttcct atgtgtacct gcccctgggc aaggtgggcc tgacttgtta 60
gagtgttaga gttttaccct gttcctctag gagggcctgg taccaccaca gcccagcatg 120
gtgtggtgcc tcagcaggag gcatctggtt acaatcaaca caagctgttc cagccaattt 180
aaagaaactt caggaggaat agggttttag gagggcatgg ggaccctcct gcacccgaag 240
ccaggatgtg ccaccaatca taaggaggca ggggcctcct tccgctgctc cctgggactc 300
tctaggtgtc cgtggcctca gccccctct gcacacctgc atcttccttc tcatcagctt 360
cctctgcttt aagcgtaaac atggatgccc aggacctggc ctcaatcttc cgagtctggt 420
acttatggtg tactgacagt gtgagaccct actcctctga tcaatcccct gggttggtga 480
cttccctgtg caatcaatgg aagccagcga ggcagggtca catgccccgt ttagaggtgc 540
agacttggag aaggaacgtg ggcaagtctt cccaggaaca ggtagggcag ggaggaaagg 600
ggggcatctc tggtgcagcc cggttcggag caggaagacg cttaataaat gctgatagac 660
t 661

<210> 89
<211> 7
<212> DNA
<213> Homo sapiens

<400> 89
gaggaaa 7

<210> 90
<211> 7
<212> DNA
<213> Homo sapiens

<400> 90
caggaag 7

<210> 91
<211> 102
<212> DNA
<213> Homo sapiens

<400> 91
tattttatat atataatata tatataaaat atataatata caatataaat atatagtgtg 60
tgtgtgtatg cgtgtgtgta gacacacacg catacacaca ta 102

<210> 92
<211> 1380
<212> DNA
<213> Homo sapiens

<400> 92
gaattctgta agcatttcct atgtgtacct gcccctgggc aaggtgggcc tgacttgtta 60
gagtgttaga gttttaccct gttcctctag gagggcctgg taccaccaca gcccagcatg 120
gtgtggtgcc tcagcaggag gcatctggtt acaatcaaca caagctgttc cagccaattt 180
aaagaaactt caggaggaat agggttttag gagggcatgg ggaccctcct gcacccgaag 240
ccaggatgtg ccaccaatca taaggaggca ggggcctcct tccgctgctc cctgggactc 300
tctaggtgtc cgtggcctca gccccctct gcacacctgc atcttccttc tcatcagctt 360
cctctgcttt aagcgtaaac atggatgccc aggacctggc ctcaatcttc cgagtctggt 420
acttatggtg tactgacagt gtgagaccct actcctctga tcaatcccct gggttggtga 480
cttccctgtg caatcaatgg aagccagcga ggcagggtca catgccccgt ttagaggtgc 540
agacttggag aaggaacgtg ggcaagtctt cccaggaaca ggtagggcag ggaggaaagg 600
ggggcatctc tggtgcagcc cggttcggag caggaagacg cttaataaat gctgatagac 660
tgcaggacac aggcaaaggt gctgagctgg acccttttatt tctgcccttc tcccttctgg 720
caccccggcc aggaaattgc tgcagccttt ctggaatccc gttcattttt cttactggtc 780
cacaaaaggg gccaaatgga agcagcaaga cctgagttca aattaaatct gccaactacc 840
agctcagtga atctgggcga gtaacacaaa acttgagtgt ccttacctga aaaatagagg 900
ttagagggat gctatgtgcc attgtgtgtg tgtgttgggg gtggggattg ggggtgattt 960
gtgagcaatt ggaggtgagg gtggagccca gtgcccagca cctatgcact ggggacccaa 1020
aaaggagcat cttctcatga ttttatgtat cagaaattgg gatggcatgt cattgggaca 1080
gcgtcttttt tcttgtatgg tggcacataa atacatgtgt cttataatta atggtatttt 1140
agatttgacg aaatatggaa tattacctgt tgtgctgatc ttgggcaaac tataatatct 1200
ctgggcaaaa atgtccccat ctgaaaaaca gggacaacgt tcctccctca gccagccact 1260
atggggctaa aatgagacca catctgtcaa gggttttgcc ctcacctccc tccctgctgg 1320
atggcatcct tggtaggcag aggtgggctt cgggcagaac aagccgtgct gagctaggac 1380

<210> 93
<211> 154
<212> DNA
<213> Homo sapiens

<400> 93
ttgggggaaa agtttctttc agagagttaa gttattttat atatataata tatatataaa 60
atatataata tacaatataa atatatagtg tgtgtgtgta tgcgtgtgtg tagacacaca 120
cgcatacaca catataatgg aagcaataag ccat 154

<210> 94
<211> 153
<212> DNA
<213> Homo sapiens

<400> 94
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gcatacacac atataatgga agcaataagc cat 153

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<211> 152
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<400> 95
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<210> 96
<211> 151
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<400> 96
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atacacacat ataatggaag caataagcca t 151

<210> 97
<211> 150
<212> DNA
<213> Homo sapiens

<400> 97
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tacacacata taatggaagc aataagccat 150

<210> 98
<211> 149
<212> DNA
<213> Homo sapiens

<400> 98
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<212> DNA
<213> Homo sapiens

<400> 99
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cacacatata atggaagcaa taagccat 148

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<211> 147
<212> DNA
<213> Homo sapiens

<400> 100
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acacatataa tggaagcaat aagccat 147

<210> 101
<211> 146
<212> DNA
<213> Homo sapiens

<400> 101
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cacatataat ggaagcaata agccat 146

<210> 102
<211> 145
<212> DNA
<213> Homo sapiens

<400> 102
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acatataatg gaagcaataa gccat 145

<210> 103
<211> 144
<212> DNA
<213> Homo sapiens

<400> 103
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catataatgg aagcaataag ccat 144

<210> 104
<211> 143
<212> DNA
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<400> 104
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atataatgga agcaataagc cat 143

<210> 105
<211> 142
<212> DNA
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ataatggaag caataagcca t 141

<210> 107
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<400> 107
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taatggaagc aataagccat 140

<210> 108
<211> 139
<212> DNA
<213> Homo sapiens

<400> 108
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aatggaagca ataagccat 139

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<211> 138
<212> DNA
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<400> 109
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atggaagcaa taagccat 138

<210> 110
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tggaagcaat aagccat 137

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<210> 113
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<400> 113
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aagcaataag ccat 134

<210> 114
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<400> 114
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<400> 115
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<210> 117
<211> 130
<212> DNA
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<210> 118
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<212> DNA
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<400> 118
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<400> 119
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taagccat 128

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<210> 121
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<400> 121
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<210> 124
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<212> DNA
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<212> DNA
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 150
<211> 654
<212> DNA
<213> Homo sapiens

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<211> 650
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<211> 647
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
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<212> DNA
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<212> DNA
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<213> Homo sapiens

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<213> Homo sapiens

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<210> 194
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<212> DNA
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<211> 751
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<213> Homo sapiens

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<211> 750
<212> DNA
<213> Homo sapiens

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<211> 681
<212> DNA
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<211> 581
<212> DNA
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<211> 481
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tgtgagcaat tggaggtgag ggtggagccc agtgcccagc acctatgcac tggggaccca 420
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<210> 204
<211> 381
<212> DNA
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<211> 281
<212> DNA
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gcaccccggc caggaaattg ctgcagcctt tctggaatcc cgttcatttt tcttactggt 180

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cagctcagtg aatctgggcg agtaacacaa aacttgagtg t 281

<210> 206
<211> 181
<212> DNA
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gcaccccggc caggaaattg ctgcagcctt tctggaatcc cgttcatttt tcttactggt 180
c 181

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<211> 81
<212> DNA
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<400> 208
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